


1. THIS DRAWING IS INTENDED TO SHOW THE EXTENT OF THE EXISTING EQUIPMENT, PIPING, AND STRUCTURES THAT ARE TO BE DEMOLISHED. THE CONTRACTOR SHALL UNDERTAKE THEIR OWN SITE INVESTIGATIONS TO DETERMINE THE FULL EXTENT OF REQUIRED WORK PRIOR TO SUBMITTING THEIR BID. REFER TO THE ELECTRICAL DRAWINGS FOR ADDITIONAL ELECTRICAL DEMOLITION INFORMATION.
2. ALL DEMOLISHED MATERIALS AND EQUIPMENT SHALL BE REMOVED FROM THE PROJECT SITE. THE CONTRACTOR SHALL ADHERE TO ALL APPLICABLE REGULATORY REQUIREMENTS REGARDING PROPER DISPOSAL OF DEMOLISHED MATERIALS AND EQUIPMENT. ANY ASSOCIATED COSTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. THE GOVERNMENT MAY ELECT TO KEEP SOME EQUIPMENT AND APPURTENANCES THAT ARE REMOVED AS PART OF THE DEMOLITION ACTIVITIES. THE CONTRACTOR SHALL COORDINATE WITH THE GOVERNMENT TO IDENTIFY THE EQUIPMENT THAT IS TO BE REMOVED AND GIVEN TO THE GOVERNMENT.
4. NEW PUMPING EQUIPMENT AND DISCHARGE PIPING SHALL BE INSTALLED PRIOR TO DEMOLITION OF EXISTING PUMPING EQUIPMENT AND DISCHARGE PIPING. ONLY ONE WETWELL MAY BE TAKEN OUT OF SERVICE AT A TIME FOR DEMOLITION AND INSTALLATION WORK. THE DURATION OF A FULL SHUT DOWN OF THE RAW WATER PUMP STATION SHALL NOT EXCEED 12 HOURS. ALL SHUT DOWN ACTIVITIES SHALL BE COORDINATED WITH THE GOVERNMENT.

[illegible]

DCS Infrastructure, LLC
3249 route 112, building 4 suite 1B
Medford, N.Y. 11763 631-320-1706

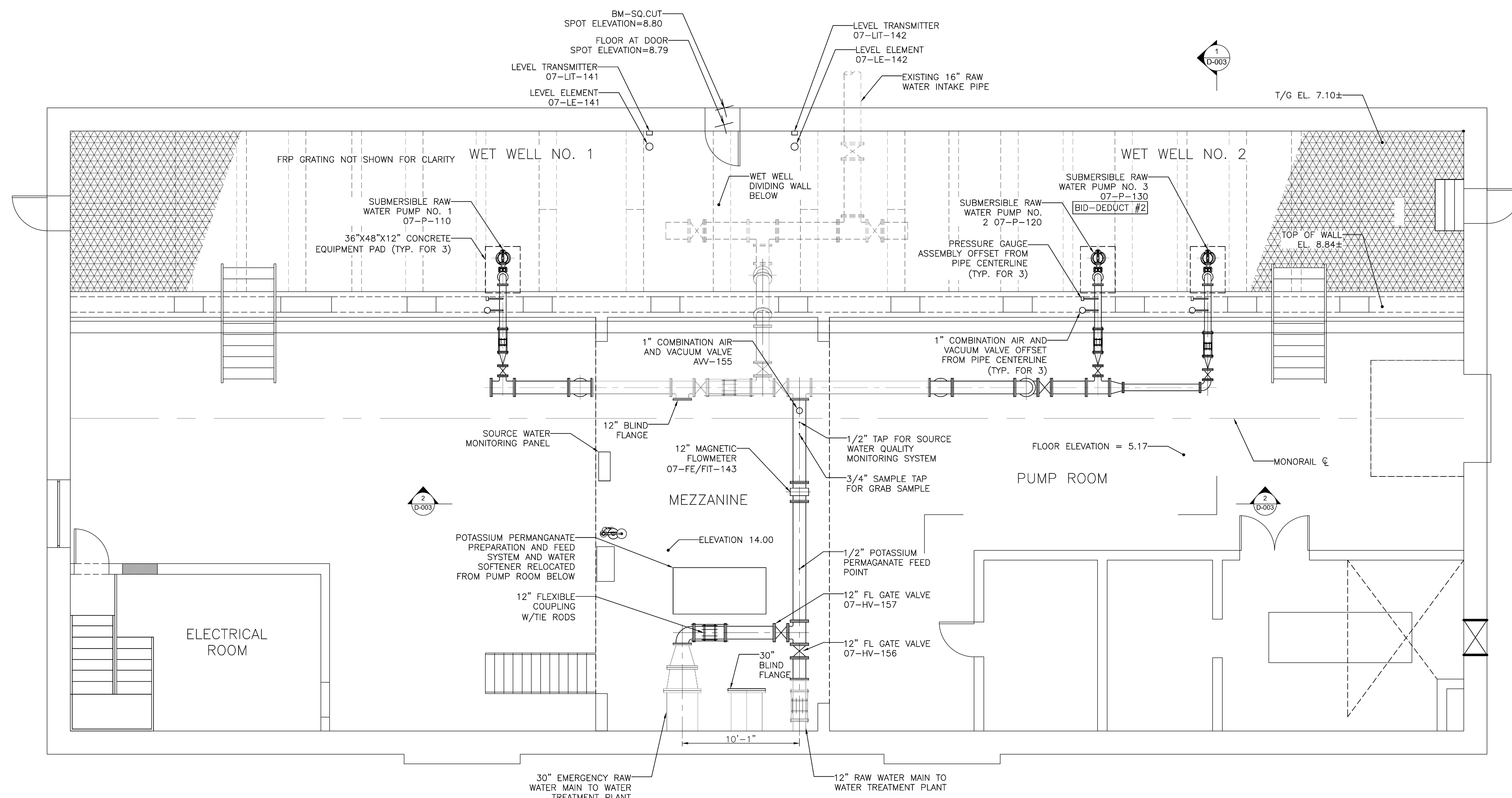
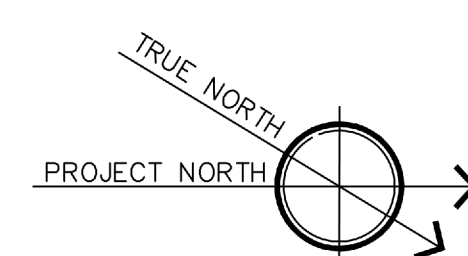
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MacDonald

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR
APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND,
LICENSE NO. 21333, EXPIRATION DATE: 09/05/16



Approved:	Approved: Chief, Facilities and Engineering:
	Approved: Associate Chief for Maintenance And Operations, Perry Point:
	Approved: Engineering Projects Supervisor
	Approved: Infection Control Officer

Drawing Title: RAW WATER PUMP STATION DEMOLITION PLAN		Project Title: POTABLE WATER SYSTEM IMPROVEMENTS - TIER 2 PERRY POINT MD VAMC			
Approved: Associate Director for Operations:		Scale: 1/4" = 1'-0"	Building No: 20	Checked: JFC	Drawn: IER
Approved: Director, Medical Center:		Location: VAMC PERRY POINT, MD 21902			



PROCESS MECHANICAL DRAWING NOTES:

1. THESE PROCESS MECHANICAL DRAWING NOTES APPLY TO ALL PROCESS MECHANICAL DRAWINGS.
2. ALL DIMENSIONS ARE APPROXIMATE. CONTRACTOR SHALL COORDINATE ALL FINAL EQUIPMENT LOCATIONS IN THE FIELD.
3. THE CONTRACTOR SHALL PROVIDE PIPE AND EQUIPMENT SUPPORTS TO ADEQUATELY SUPPORT ALL PROCESS PIPING, EQUIPMENT, AND APPURTENANCES IN PROPER POSITION AND ALIGNMENT, AND TO PREVENT SWAY UNDER ALL OPERATING CONDITIONS AND SEISMIC LOADS. NOT ALL REQUIRED PIPE SUPPORTS HAVE BEEN SHOWN.
4. NOT ALL SMALL DIAMETER PIPING, VALVES, AND EQUIPMENT HAVE BEEN SHOWN ON THE PROCESS MECHANICAL PLANS IN ORDER TO PRESERVE CLARITY. REFER TO THE APPROPRIATE PROCESS INSTRUMENTATION DRAWINGS FOR REQUIRED EQUIPMENT.
5. ALL COMBINATION AIR AND VACUUM VALVE DISCHARGES SHALL BE PIPED TO DRAIN TO THE WETWELL.
6. ALL INTERIOR DUCTILE IRON PIPING SHALL BE PAINTED PRIOR TO PLACING THE FACILITY INTO SERVICE.
7. CONTRACTOR SHALL FURNISH AND INSTALL PIPE COUPLINGS AS NECESSARY TO FACILITATE INSTALLATION AND MAINTENANCE OF TREATMENT EQUIPMENT.
8. REFER TO PROCESS INSTRUMENTATION DRAWINGS AND SPECIFICATIONS FOR PIPING MATERIALS OF CONSTRUCTION.
9. REFER TO THE PROCESS INSTRUMENTATION DRAWINGS FOR THE SCOPE OF PROCESS EQUIPMENT, PIPING AND APPURTENANCES TO BE INCLUDED IN BID DEDUCT NO. 2 FOR THE THIRD RAW WATER PUMP.

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Seal of the Board for Professional Engineers, State of Maryland. The seal is circular with the text "BOARD FOR PROFESSIONAL ENGINEERS" at the top and "STATE OF MARYLAND" at the bottom. In the center is a crest featuring a shield with a sun, a gear, and a plow, topped with a laurel wreath. The license number "21393" is printed above the crest. The name "WILLIAM S. SMITH" is written across the seal in a cursive script.

Approved:

Approved: Chief, Facilities and Engineering:

Approved: Associate Chief for Maintenance And Operations, Perry Point:

Approved: Engineering Projects Supervisor

Approved: Infection Control Officer

	Drawing Title:
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RAW WATER PUMP STATION PROCESS PLAN

Approved: Associate Director for Operations:

Approved: Director, Medical Center:

	Project Title:
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POTABLE WATER
SYSTEM IMPROVEMENTS - TIER 2
PERRY POINT MD
VAMC

	Time
	Scale:

1/4" = 1'-0"

Building No:

20

o:	Checked:
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JFC

Drawn:

IER

	DRAWING NO:

D-002

22 OF 24

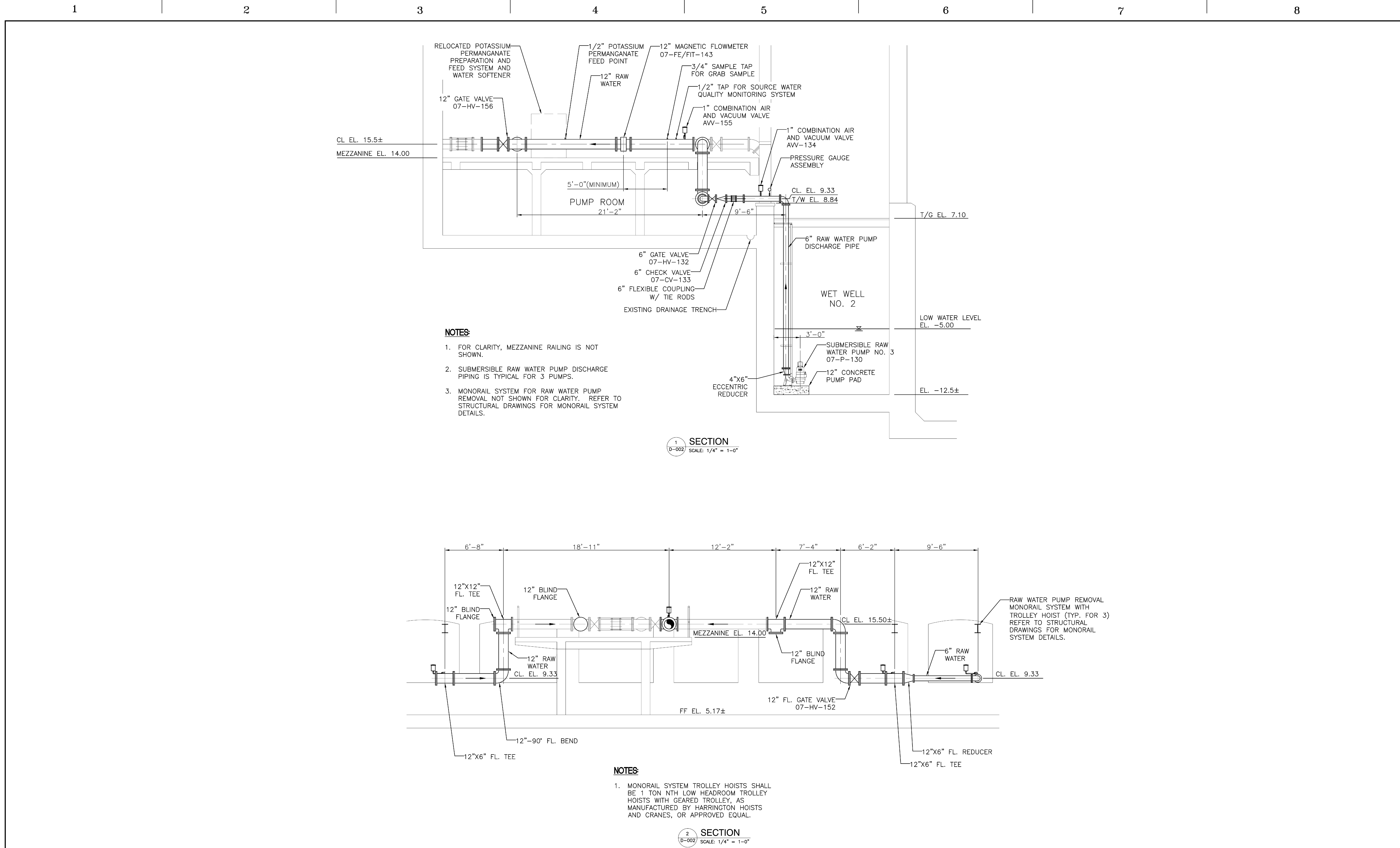
100% Bid Documents September 1, 2015

Date:	9/1/2015
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Project No:
512A5-13-329

DEPARTMENT OF
VETERANS AFFAIRS

three inches = one foot
one and one half inch = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot



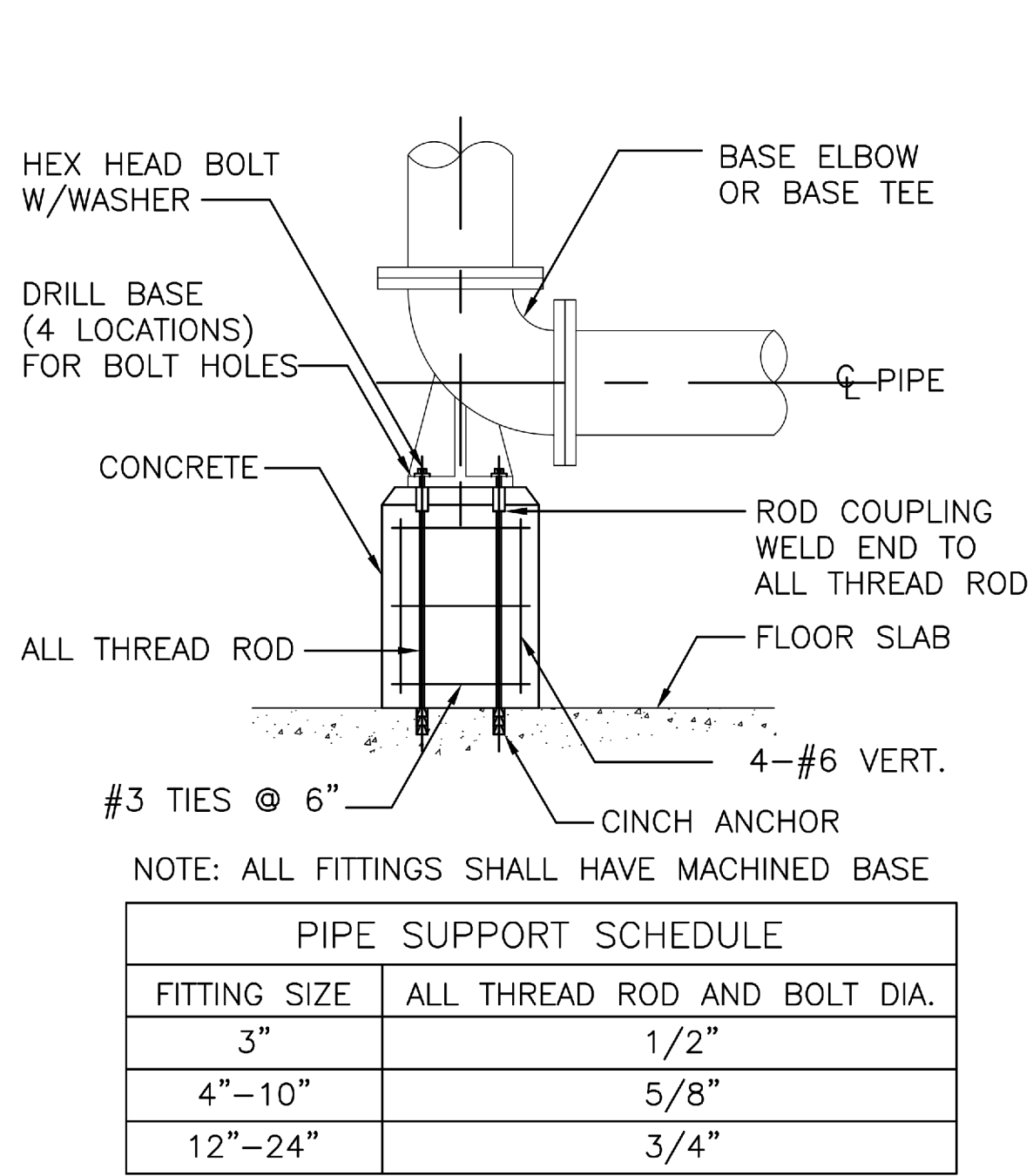
DCS Infrastructure, LLC 3249 route 112, building 4 suite 1B Medford, N.Y. 11763 631-320-1706		Hatch Mott MacDonald		PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 21333, EXPIRATION DATE: 09/05/16		Approved:		Approved: Chief, Facilities and Engineering:		Drawing Title: RAW WATER PUMP STATION SECTIONS		Project Title: POTABLE WATER SYSTEM IMPROVEMENTS - TIER 2 PERRY POINT MD VAMC		Date: 9/1/2015	
Revisions:								Approved: Associate Chief for Maintenance And Operations, Perry Point:		Approved: Associate Director for Operations:		Scale: 1/4" = 1'-0"		Building No.: 20	
								Approved: Engineering Projects Supervisor		Checked: JFC		Drawn: IER		Project No.: 512A5-13-329	
								Approved: Infection Control Officer		Approved: Director, Medical Center:		Location: VAMC PERRY POINT, MD 21902		DRAWING NO.: D-003	
														23 OF 24	

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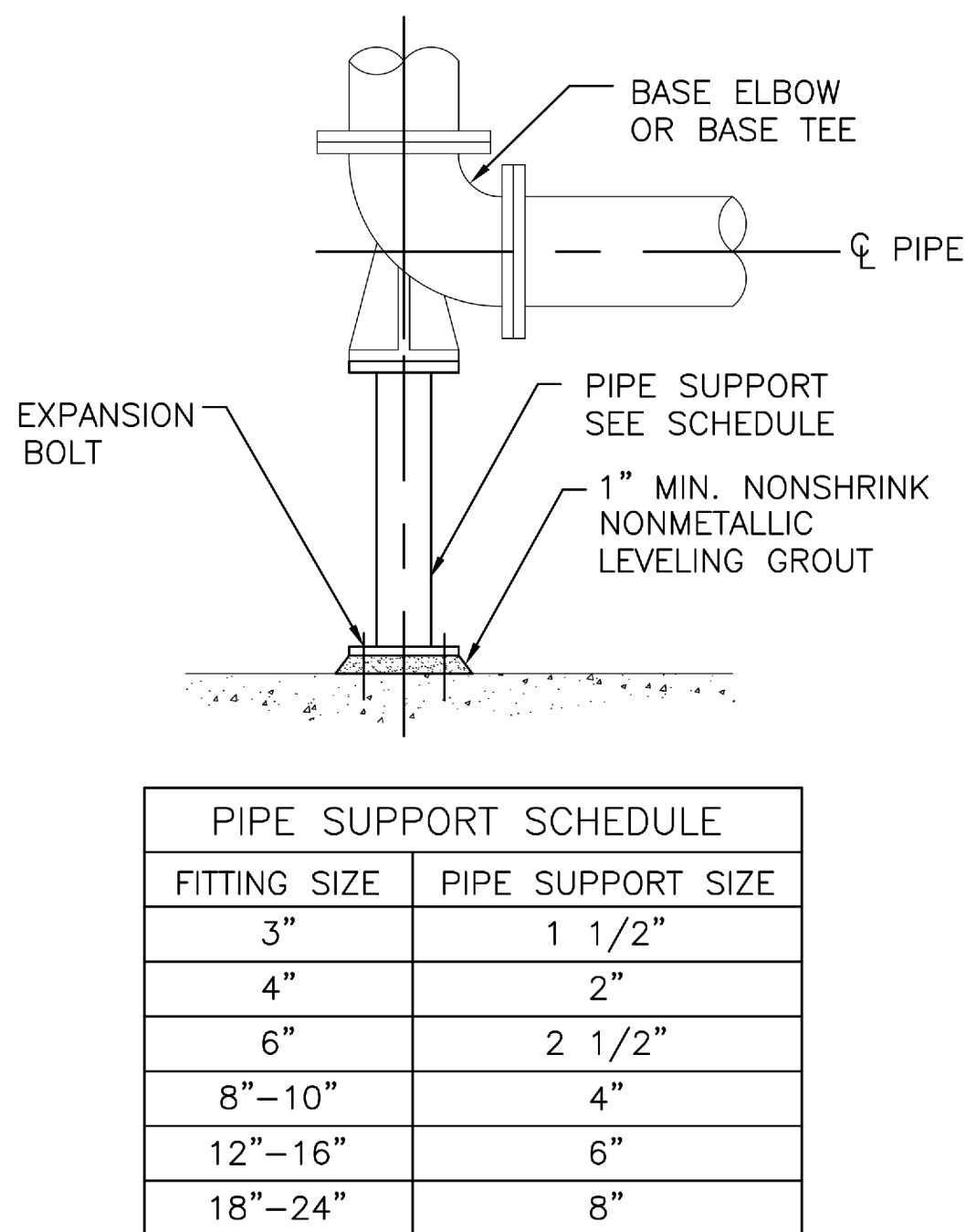
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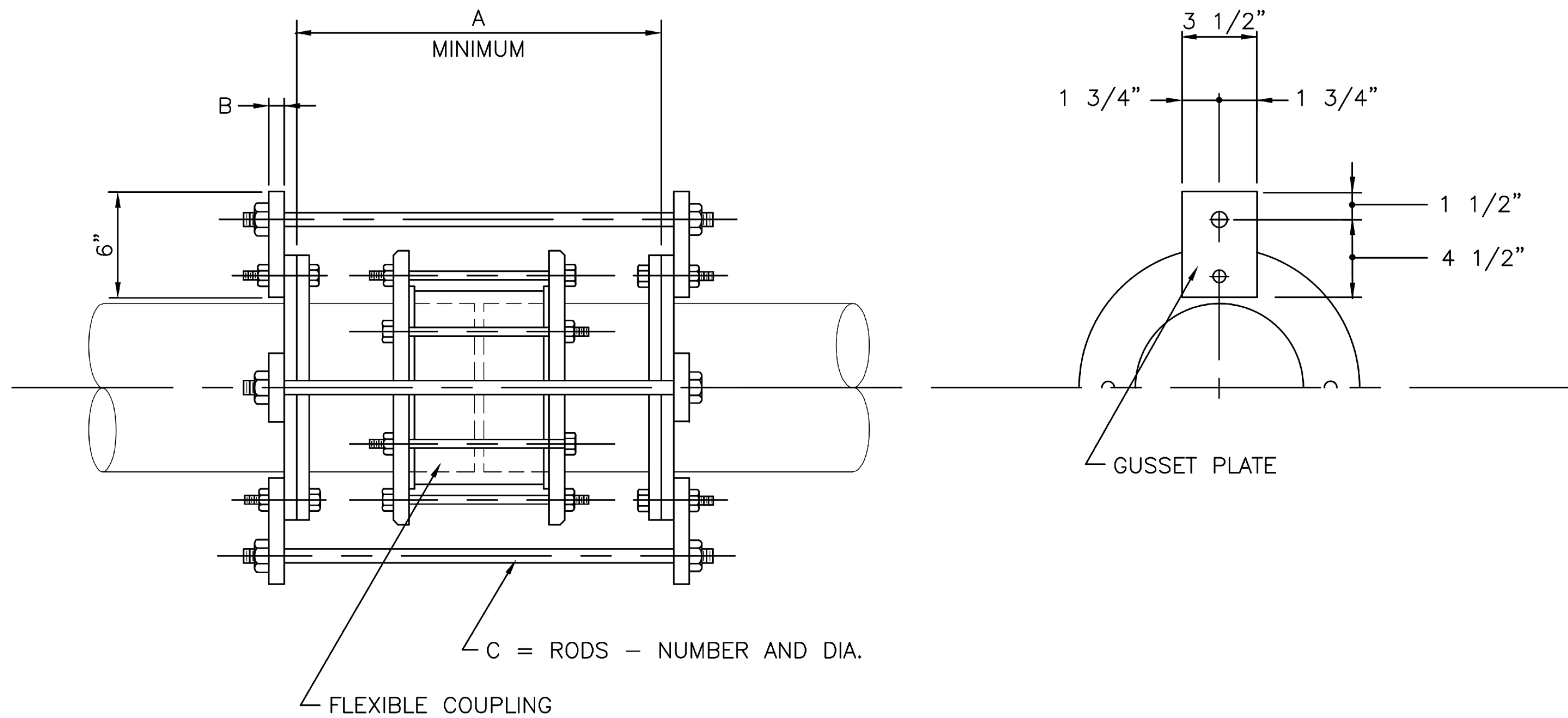
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BASE ELBOW AND BASE TEE CONCRETE SUPPORT
NOT TO SCALE

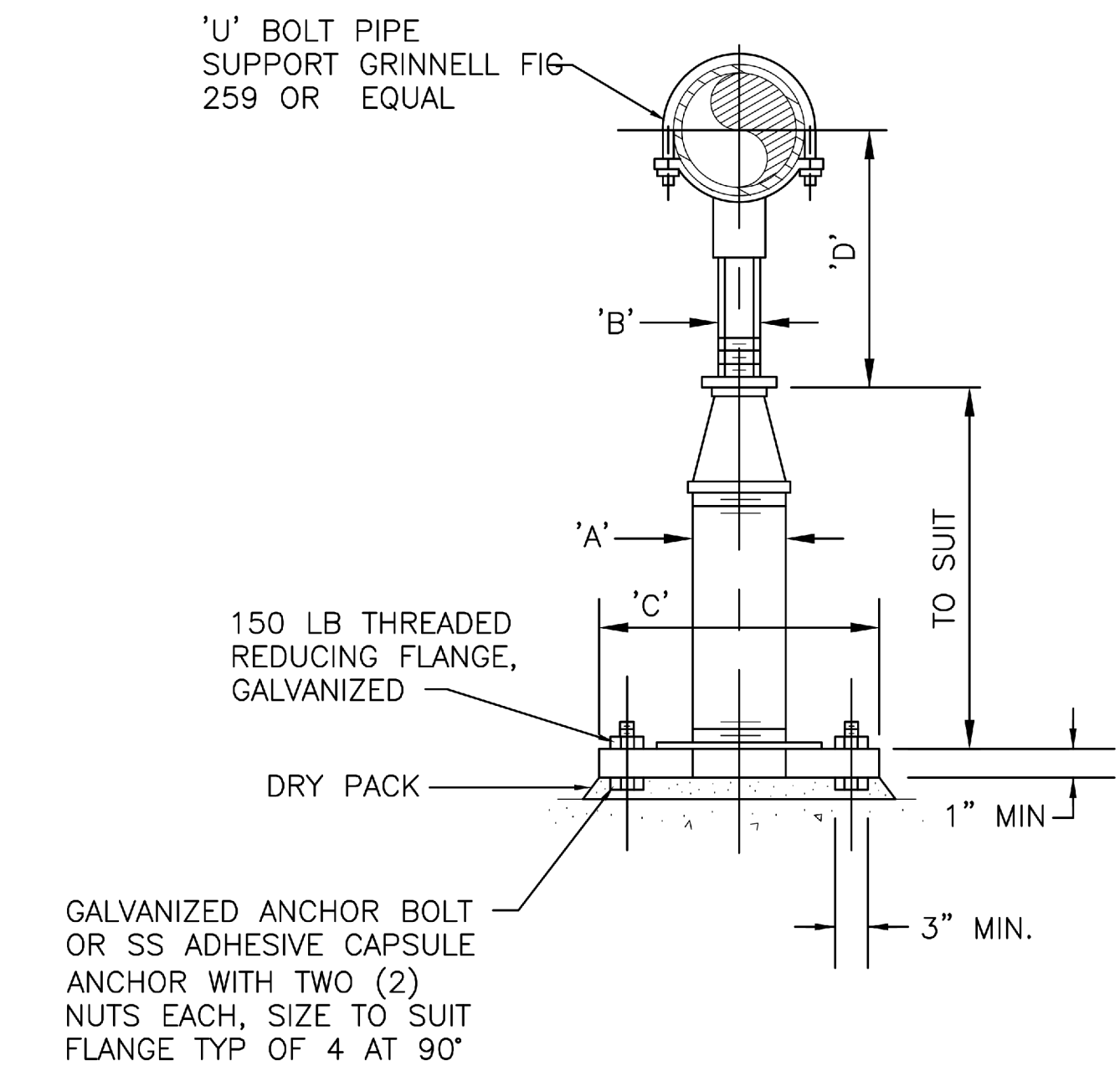


BASE ELBOW AND BASE TEE PIPE SUPPORT
NOT TO SCALE



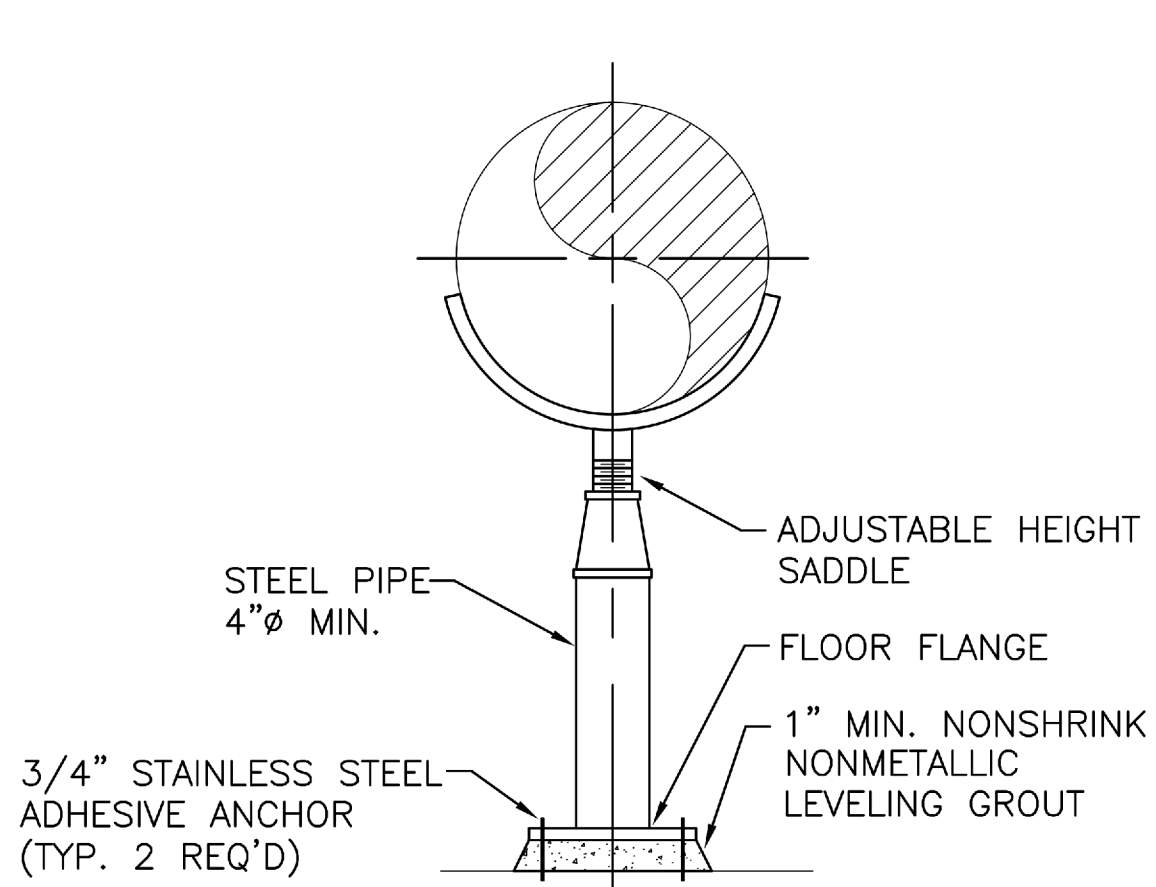
PIPE DIA.	1 1/2"-4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"
A	16"	16"	16"	20"	20"	20"	20"	24"	24"	24"	24"
B	3/8"	3/4"	3/4"	7/8"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 3/8"
C	2-5/8"	2-5/8"	2-3/4"	3-3/4"	4-3/4"	4-3/4"	4-3/4"	4-7/8"	4-7/8"	6-7/8"	8-1"

FLEXIBLE COUPLING W/ THRUST PROTECTION
NOT TO SCALE

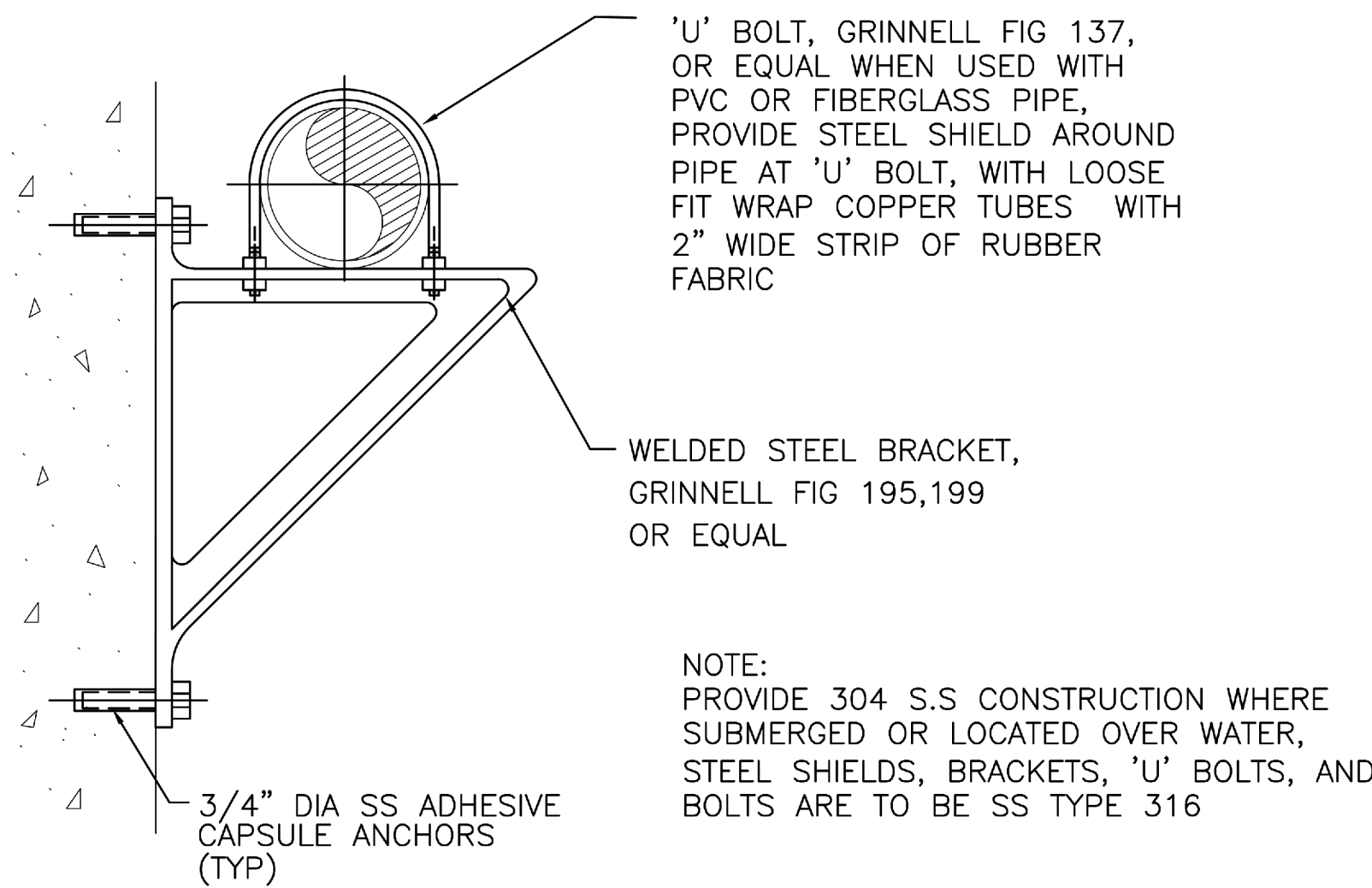


ADJUSTABLE PIPE SUPPORT APPROX DIMENSIONS IN INCHES					
PIPE SIZE	A	B	C	D MIN	D MAX
2	2	1	9	8	11
3	2	1	9	8	11
3	2	1	9	8	12
4	3	2	9	10	14
6	3	2	9	11	15
8	3	2	9	13	16
10	3	2	9	14	18
12	3	2	9	15	19
14	4	3	11	18	20
16	4	3	11	19	22

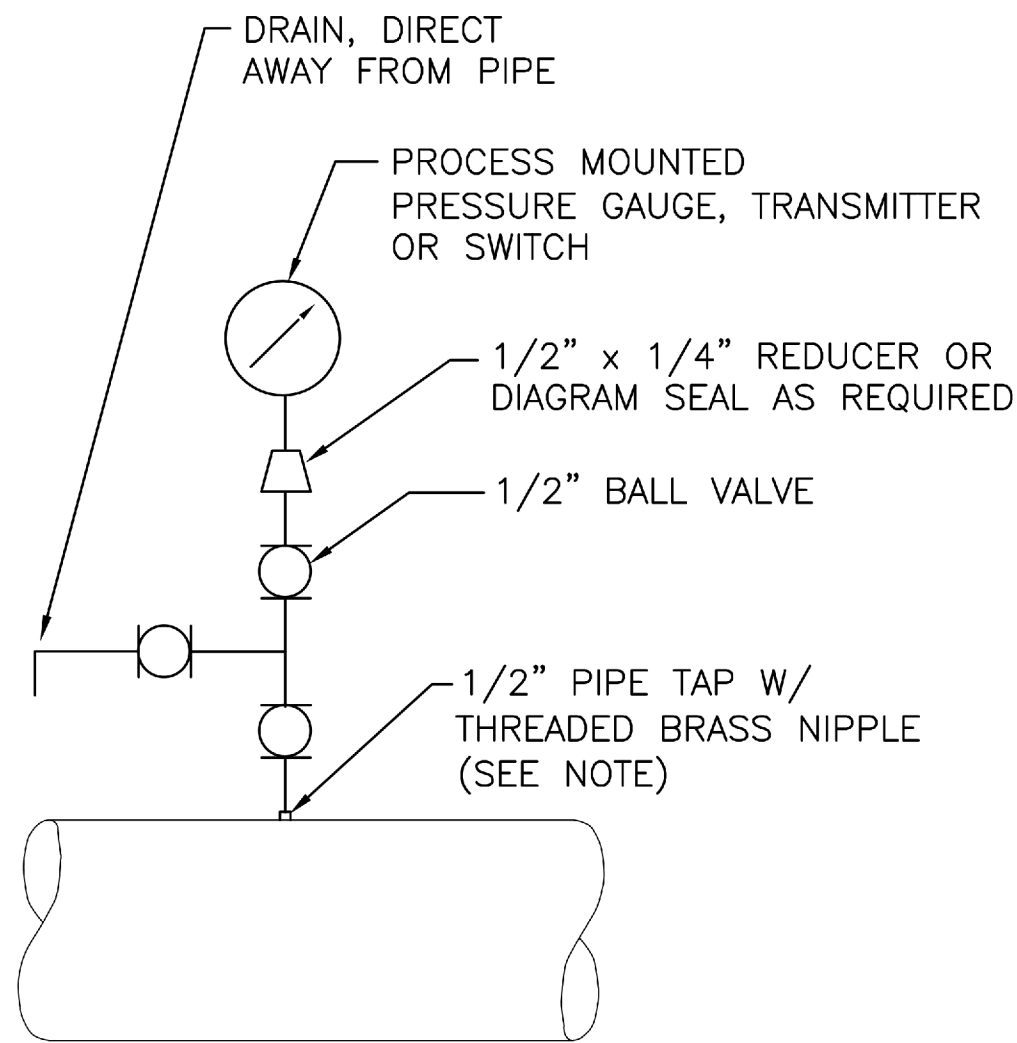
- NOTES:
- UNDER VALVES, METERS OR OTHER SPECIAL APPURTENANCES A FABRICATED SUPPORT PIECE MAY BE UTILIZED AS ACCEPTABLE TO ENGINEER



SADDLE TYPE PIPE SUPPORT DETAIL
NOT TO SCALE

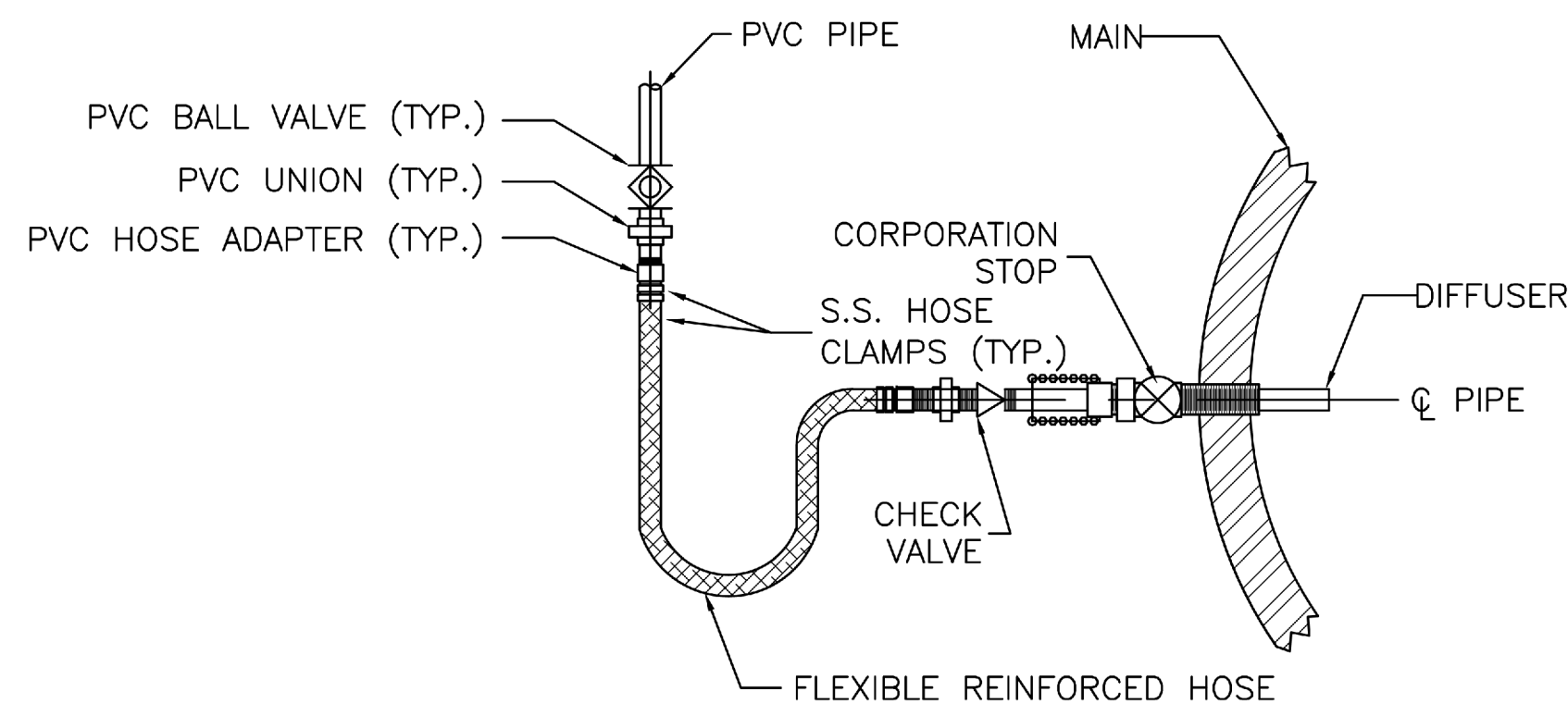


PIPE BRACKET
NOT TO SCALE

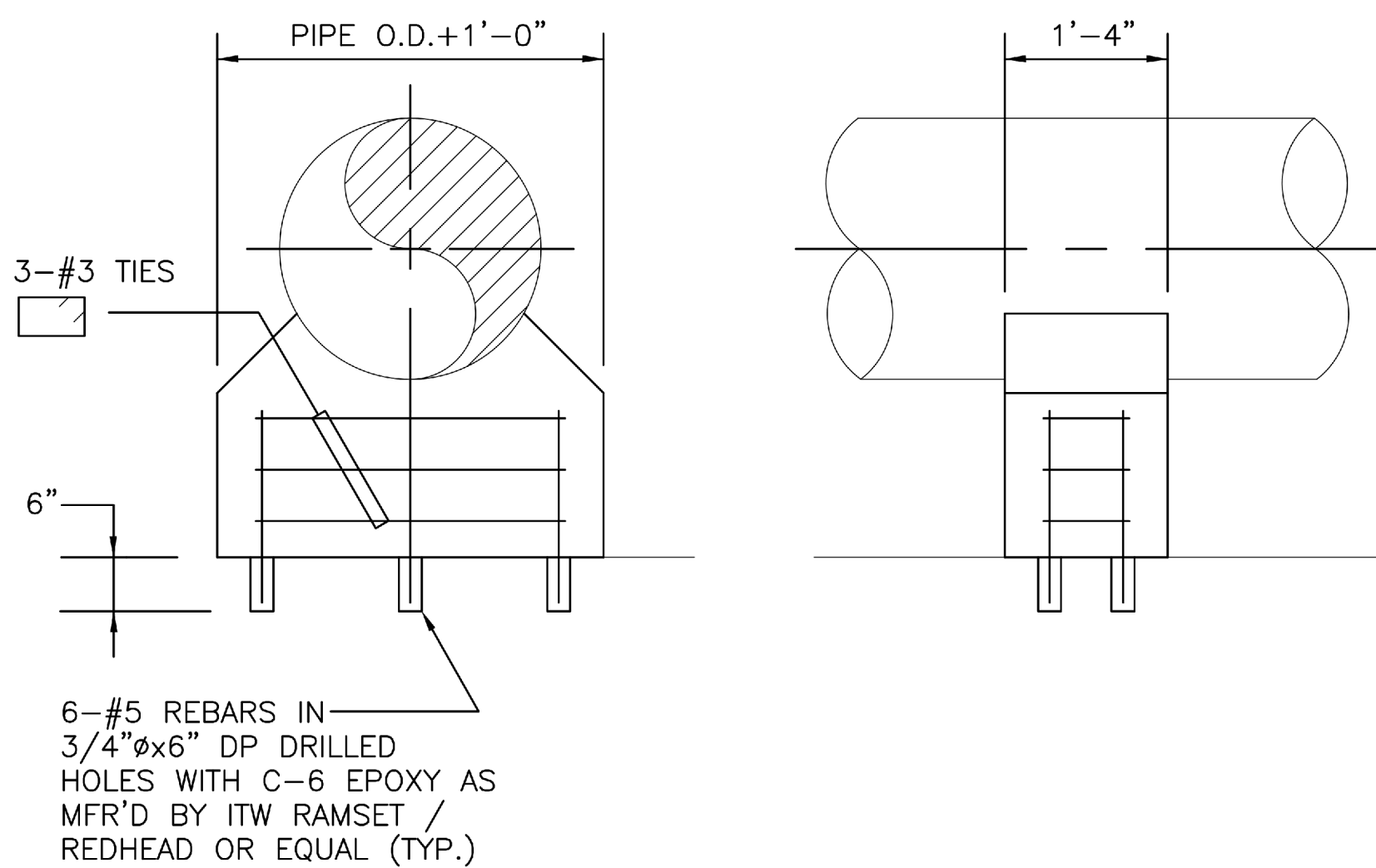


- NOTE:
- PRESSURE TRANSMITTER PIPE TAPS SHALL BE 1" AND SHALL BE LOCATED AT THE PIPE HORIZONTAL CENTERLINE.

PRESSURE GAUGE, TRANSMITTER
AND SWITCH INSTALLATION DETAIL
NOT TO SCALE



RETRACTABLE DIFFUSER DETAIL
NOT TO SCALE



CONCRETE PIPE SUPPORT DETAIL
NOT TO SCALE

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Drawing Title:	Project Title:
RAW WATER PUMP STATION DETAILS SHEET 1 OF 1	POTABLE WATER SYSTEM IMPROVEMENTS - TIER 2 PERRY POINT MD VAMC
Approved: Associate Director for Operations:	Scale:
Approved: Director, Medical Center:	Building No:
	Checked:
	Drawn:
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Date:	Project No:	DRAWING NO:
9/1/2015	512A5-13-329	D-004
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